

		Hydrophobic				Hydrophilic
		-2	-1	0	1	2
		----- ----- -----			----- ----- -----	
1	0.00			M		
2	0.00			H		
3	-0.15			= R		
4	-0.29			=== L		
5	-0.71			===== I		
6	-1.38			===== F		
7	-1.49			===== V		
8	-1.61			===== Y		
9	-1.47			===== T		
10	-1.30			===== L		
11	-0.88			===== I		
12	-1.23			===== C		
13	-1.10			===== A		
14	-0.75			===== N		
15	-0.75			===== F		
16	-0.17			== C		
17	0.30			S ===		
18	0.65			C =====		
19	0.87			R =====		
20	0.73			D =====		
21	0.83			T =====		
22	0.33			S ===		
23	-0.13			= A		
24	-0.02			T		
25	-0.15			= P		
26	-0.02			Q		
27	-0.25			=== S		
28	0.25			A ===		
29	0.13			S =		
30	-0.22			== I		
31	0.37			K =====		
32	0.35			A =====		
33	0.57			L =====		
34	0.10			R =		
35	-0.12			= N		
36	0.68			A =====		
37	0.68			N =====		
38	1.15			L =====		
39	1.73			R =====		
40	1.75			R =====		
41	2.08			D =====		
42	1.50			E =====		
43	0.70			S =====		
44	0.13			N =		
45	0.13			H =		
46	-0.22			== L		
47	-0.63			===== T		
48	-0.05			D		
49	0.75			L =====		
50	1.32			Y =====		
51	1.32			R =====		
52	1.55			R =====		
53	1.63			D =====		

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54	1.17		E =====
55	0.42		T =====
56	0.42		I =====
57	-0.08		= Q
58	0.02		V
59	0.32		K ===
60	-0.10		= G
61	-0.10		= N
62	-0.57		===== G
63	-0.52		===== Y
64	-0.55		===== V
65	-0.05		Q
66	-0.08		= S
67	0.17		P ==
68	0.17		R ==
69	0.17		F ==
70	0.18		P ==
71	-0.32		=== N
72	0.60		S =====
73	0.63		Y =====
74	0.30		P ===
75	-0.05		R
76	-0.37		==== N
77	-0.43		==== L
78	-1.50	=====	L
79	-1.03	=====	L
80	-1.03	=====	T
81	-0.82	=====	W
82	-0.47	=====	R
83	-0.37	=====	L
84	0.70		H =====
85	0.23		S ==
86	0.47		Q =====
87	1.05		E =====
88	0.70		N =====
89	0.70		T =====
90	-0.10		= R
91	-0.38		==== I
92	-0.73		===== Q
93	-0.73		===== L
94	-0.40		==== V
95	-0.40		==== F
96	-0.52		===== D
97	-0.27		=== N
98	-0.15		= Q
99	-0.15		= F
100	0.32		G ===
101	0.20		L ==
102	1.12		E =====
103	1.15		E =====
104	1.95		A =====
105	1.15		E =====
106	0.48		N =====
107	1.07		D =====
108	0.18		I ==
109	0.65		C =====
110	-0.27		=== R

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111	-0.22	==	Y
112	0.45		D =====
113	-0.30	===	F
114	0.58		V =====
115	0.58		E =====
116	0.70		V =====
117	1.00		E =====
118	1.00		D =====
119	1.18		I =====
120	0.73		S =====
121	0.17		E ==
122	0.17		T ==
123	-0.18	==	S
124	-0.18	==	T
125	-0.12	=	I
126	0.33		I ===
127	-0.17	==	R
128	-0.03		G
129	0.27		R ===
130	-0.32	===	W
131	0.18		C ==
132	0.18		G ==
133	0.50		H =====
134	0.67		K =====
135	0.67		E =====
136	1.25		V =====
137	0.45		P =====
138	0.45		P =====
139	0.75		R =====
140	1.25		I =====
141	1.18		K =====
142	0.72		S =====
143	1.05		R =====
144	0.25		T ===
145	0.70		N =====
146	-0.10	=	Q
147	-0.10	=	I
148	-0.55	=====	K
149	-0.08	=	I
150	0.27		T ===
151	0.27		F ===
152	1.07		K =====
153	0.75		S =====
154	0.75		D =====
155	0.00		D
156	-0.13	=	Y
157	-0.13	=	F
158	-0.63	=====	V
159	-0.25	===	A
160	-0.25	===	K
161	0.50		P =====
162	0.28		C ===
163	-0.60	=====	F
164	-0.98	=====	K
165	-0.93	=====	I
166	-0.82	=====	Y
167	-1.62	=====	Y

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168	-0.82	=====	S
169	0.07		L =
170	0.03		L
171	0.02		E
172	0.32		D ===
173	0.53		F =====
174	-0.05		= Q
175	-0.63	=====	P
176	-0.17	==	A
177	0.30		A ===
178	0.23		A ==
179	0.35		S =====
180	0.27		E ===
181	0.85		T =====
182	0.85		N =====
183	0.10		w =
184	0.10		E =
185	0.12		S =
186	0.33		V ===
187	-0.47	=====	T
188	-1.08	=====	S
189	-0.83	=====	S
190	-1.02	=====	I
191	-1.02	=====	S
192	-1.45	=====	G
193	-1.12	=====	V
194	-0.50	=====	S
195	-0.50	=====	Y
196	-0.20	==	N
197	-0.50	=====	S
198	-0.18	==	P
199	0.28		S ===
200	0.23		V ==
201	0.17		T ==
202	-0.18	==	D
203	-0.23	==	P
204	-0.25	===	T
205	-0.25	===	L
206	-0.33	===	I
207	-0.57	=====	A
208	0.23		D ==
209	1.03		A =====
210	1.62		L =====
211	0.82		D =====
212	0.82		K =====
213	1.62		K =====
214	0.70		I =====
215	0.70		A =====
216	0.13		E =
217	0.18		F ==
218	0.77		D =====
219	0.77		T =====
220	0.88		V =====
221	0.08		E =
222	0.65		D =====
223	0.52		L =====
224	-0.40	=====	L

225 -0.87
 226 -0.57
 227 0.23
 228 -0.22
 229 0.00
 230 0.45
 231 0.92
 232 1.42
 233 0.62
 234 1.07
 235 1.27
 236 1.02
 237 0.13
 238 -0.67
 239 0.13
 240 -0.43
 241 -0.47
 242 0.25
 243 0.65
 244 1.45
 245 0.95
 246 1.52
 247 1.57
 248 1.08
 249 0.98
 250 0.98
 251 1.48
 252 1.48
 253 1.48
 254 1.97
 255 1.80
 256 1.80
 257 1.00
 258 1.00
 259 1.45
 260 0.65
 261 0.93
 262 0.93
 263 1.73
 264 1.15
 265 1.15
 266 1.95
 267 1.93
 268 1.48
 269 0.82
 270 0.83
 271 0.33
 272 0.33
 273 0.35
 274 0.32
 275 0.53
 276 0.35
 277 0.38
 278 -0.42
 279 0.05
 280 0.53
 281 0.98

```

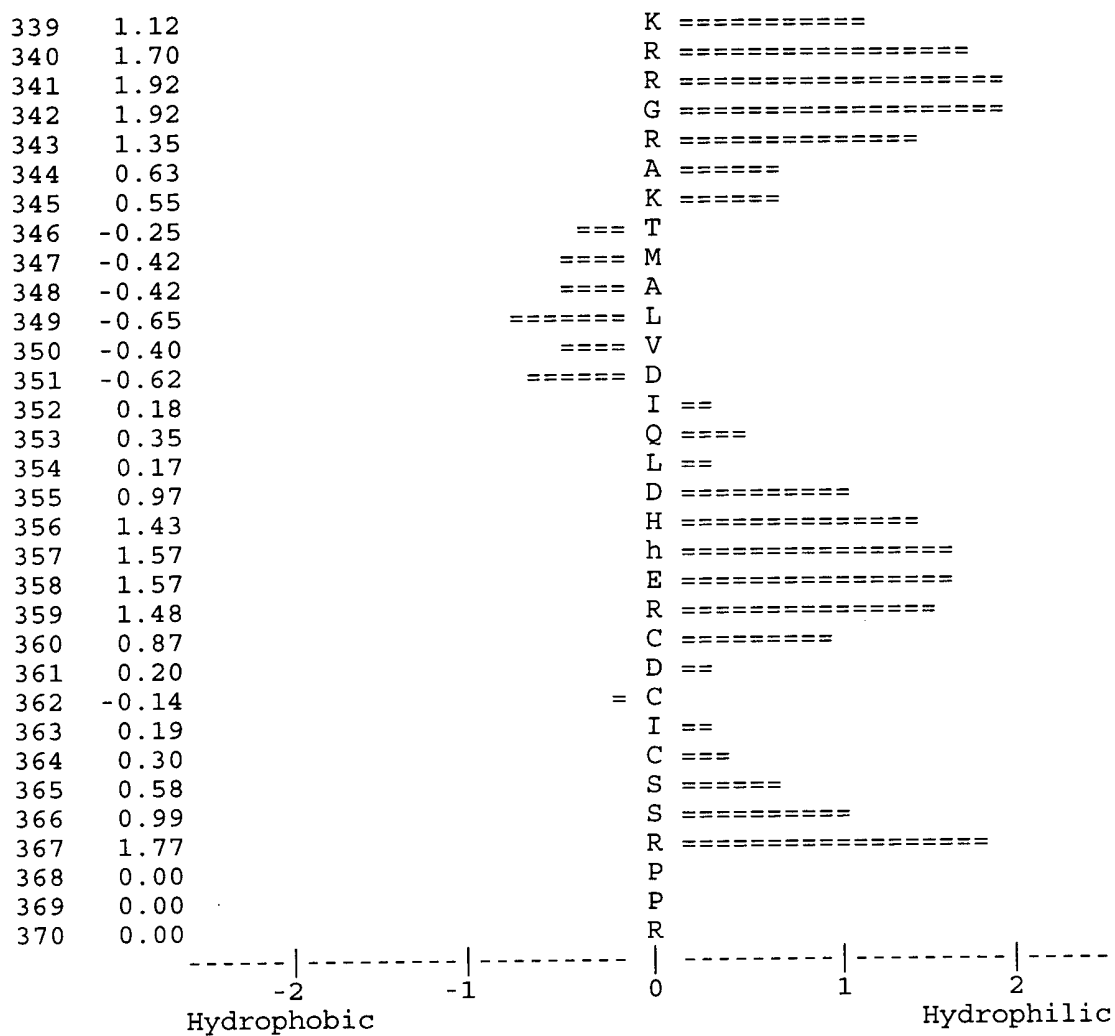
===== K
===== Y
F ==
== N
P
E =====
S =====
w =====
Q =====
E =====
D =====
L =====
E =
===== N
M =
===== Y
===== L
D ===
T =====
P =====
R =====
Y =====
R =====
G =====
R =====
S =====
Y =====
H =====
D =====
R =====
K =====
S =====
K =====
V =====
D =====
L =====
D =====
R =====
L =====
N =====
D =====
D =====
A =====
K =====
R =====
Y =====
S ===
C ===
T ===
P ===
R =====
N =====
Y =====
===== S
V =
N =====
I =====

```

THESE ARE THE

282	0.93		R	=====
283	1.40		E	=====
284	1.40		E	=====
285	0.82		L	=====
286	0.35		K	=====
287	-0.40	=====	L	=====
288	-0.35	=====	A	=====
289	-1.27	=====	N	=====
290	-1.38	=====	V	=====
291	-1.30	=====	V	=====
292	-0.83	=====	F	=====
293	-0.75	=====	F	=====
294	-0.80	=====	P	=====
295	-0.68	=====	R	=====
296	-0.52	=====	C	=====
297	-0.48	=====	L	=====
298	-0.48	=====	L	=====
299	-0.48	=====	V	=====
300	-0.18	=====	Q	=====
301	0.12		R	=====
302	0.40		C	=====
303	0.20		G	=====
304	-0.30	=====	G	=====
305	-0.30	=====	N	=====
306	-0.87	=====	C	=====
307	-0.93	=====	G	=====
308	-1.22	=====	C	=====
309	-1.02	=====	g	=====
310	-1.58	=====	T	=====
311	-0.92	=====	V	=====
312	-0.30	=====	N	=====
313	-0.40	=====	W	=====
314	-0.22	=====	R	=====
315	-0.42	=====	S	=====
316	0.18	=====	C	=====
317	-0.27	=====	T	=====
318	-0.32	=====	C	=====
319	0.35		N	=====
320	0.35		S	=====
321	0.27		G	=====
322	0.73		K	=====
323	1.18		T	=====
324	1.20		V	=====
325	0.62		K	=====
326	1.18		K	=====
327	1.18		Y	=====
328	0.38		H	=====
329	-0.08	=====	E	=====
330	-0.52	=====	V	=====
331	0.07	=====	L	=====
332	-0.43	=====	Q	=====
333	-0.18	=====	F	=====
334	0.03		E	=====
335	-0.30	=====	P	=====
336	0.62		G	=====
337	0.62		H	=====
338	1.12		I	=====

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FIGURE